

Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number		 11002 U.S. Pat. & Tm. Off. 09/01 09/09/01 09/09/01 07/07/07	
		Filing Date			Herewith
		First Named Inventor			M. IWANAGA
		Group Art Unit			
		Examiner Name			
Sheet	¹	of	²	Attorney Docket Number	01410/LH

U.S. PATENT DOCUMENTS

Exam. Inits*	Cite No ¹	Document Number	Kind Code ²	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion

FOREIGN PATENT DOCUMENTS

Exam. Inits*	Cite No ¹	Offc ⁴	Document Number ⁴	Kind Code ⁵	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T ⁶
Asu Asu Asu			05-095329 06-284182 2000-069154	JP JP JP	Atsuhiro OOKAWA Y. KIMURA et al Y. YAMAMOTO et al	04/16/1993 10/07/1994 03/03/2000		x*
			English Abstracts only.					x
								x*

Examiner Signature



Date Considered

7/20/04

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Place a check here if English translation is attached.

DATE MAILED: July 9, 2001

Please type a plus sign (+) inside this box →

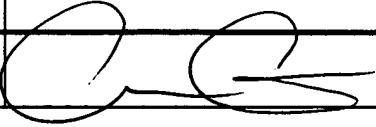
PTO/SB/08B (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO		Application Number			
		Filing Date	Herewith		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		First Named Inventor	M. IWANAGA		
		Group Art Unit			
		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	01410/LH

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
<i>Aue</i>		Related Appln. Serial No. 09/468,633 filed December 22, 1999, entitled "APPARATUS AND METHOD FOR COLLATING IMAGE"; Inventors: T. TAKEDA et al.	

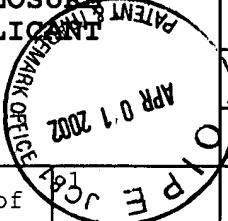
Examiner Signature		Date Considered	<i>7/20/04</i>
--------------------	---	-----------------	----------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT 		Application Number	09/901,549	
		Filing Date	July 9, 2001	
		First Named Inventor	Masakuni IWANAGA	
		Group Art Unit	2621	
		Examiner Name		
Sheet	1	of 1	Attorney Docket Number	01410/LH

U. S. PATENT DOCUMENTS

Exam. Inits*	Cite No ¹	Document Number	Kind Code ²	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
						<i>RECEIVED APR 04 2002 Technology Center 2600</i>

FOREIGN PATENT DOCUMENTS

Exam. Inits*	Cite No ¹	Offc ³	Document Number ⁴	Kind Code ⁵	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T ⁶
<i>Aue</i>		EP	0 508 845	A2	NIPPON TELEGRAPH & TELEPHONE CORP.	10-14-1992		

Examiner Signature

Date Considered

7/20/02

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Place a check here if English translation is attached.

DATE MAILED: April 1, 2002

Please type a plus sign (+) inside this box →



PTO/SB/08B (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO		Application Number	09/901,549
		Filing Date	July 9, 2001
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		First Named Inventor	Masakuni IWANAGA
		Group Art Unit	2621
		Examiner Name	
Sheet	1	of	Attorney Docket Number
		01410/LH	

APR 01 2002
PATENT & TRADEMARK OFFICE
JC81

RECEIVED
APR 04 2002
Technology Center 2600

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
AWC		S. ANDERSON et al: "A SINGLE CHIP SENSOR & IMAGE PROCESSOR FOR FINGERPRINT VERIFICATION", Proceedings of the IEEE 1991 Custom Integrated Circuits Conference, San Diego, California, May 12-15, 1991, G06K9/00A, G07C9/00C2D.	
AWC		H. YAHAGI et al: "MOVING-WINDOW ALGORITHM FOR FAST FINGERPRINT VERIFICATION", pages 343-347, IEEE Proceedings Conference, Vol. 1, 90CH2883-7, April 1-4, 1990, New Orleans, Louisiana.	

Examiner Signature

Date Considered

7/20/04

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

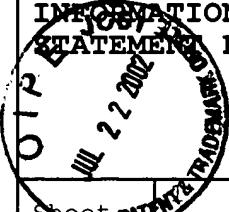
¹ Unique citation designation number. ² Place a check here if English translation is attached.

DATE MAILED: April 1, 2002

Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT 		Application Number		09/901,549
		Filing Date		July 9, 2002
		First Named Inventor		Masakuni IWANAGA
		Group Art Unit		2621
		Examiner Name		
Sheet 1	of 1	Attorney Docket Number		

U.S. PATENT DOCUMENTS

Exam. Inits*	Cite No ¹	Document Number	Kind Code ²	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
<i>Ans</i>		4,581,760		SCHILLER et al	04-08-1986	RECEIVED JUL 26 2002 Technology Center 2600

FOREIGN PATENT DOCUMENTS

Exam. Inits*	Cite No ¹	Offc ³	Document Number ⁴	Kind Code ⁵	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T ⁶

Examiner Signature

Date Considered

7/20/04

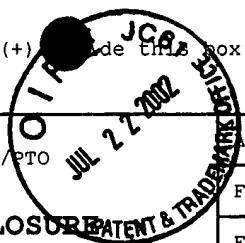
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Place a check here if English translation is attached.

DATE MAILED: July 22, 2002

Please type a plus sign (+) inside this box → +

PTO/SB/08B (08-00)
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE



Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/901,549	
		Filing Date	July 9, 2001	
		First Named Inventor	Masakuni IWANAGA	
		Group Art Unit	2621	
		Examiner Name		
Sheet	1	of 1	Attorney Docket Number	01410/LH

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
An C		J. ZHANG et al: "FACE RECOGNITION, EIGENFACE, ELASTIC MATCHING, AND NEURAL NETS:, Proceedings of the IEEE, IEEE, New York, U.S.A., Vol. 85, No. 9, 1 September 1997, (1997-09-01), pages 1423-1435, XP000738565, ISSN: 0018-9219; *page 1427, left-hand column, 3rd paragraph - right-hand column, penultimate paragraph*.	

Examiner Signature

Date Considered

7/20/04

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Place a check here if English translation is attached.

DATE MAILED: July 22, 2002